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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/518,782	03/03/2000	Kouya Tochikubo	04329.22444	7469
22852	7590 02/28/2005		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			BROWN, CHRISTOPHER J	
LLP 901 NEW YO	ORK AVENUE, NW		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20001-4413			2134	
			DATE MAILED: 02/28/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summers	09/518,782	TOCHIKUBO ET AL.	
Office Action Summary	Examiner	Art Unit	
The MAIL INC DATE of this commission of	Christopher J Brown	2134	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	un the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state than three months after the may be a compared patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MON tute, cause the application to become AE	reply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 16	December 2004.		
·— ·	nis action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice unde	·	•	
Disposition of Claims			
4) Claim(s) 4,5,7-13 and 17-25 is/are pending			
4a) Of the above claim(s) is/are withd			
5) Claim(s) <u>4,5,7,13,17-19 and 22-24</u> is/are all	owed.		
6)⊠ Claim(s) <u>8-12,20,21,25</u> is/are rejected. 7)□ Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	d/or election requirement.		
Application Papers			
9) The specification is objected to by the Exam	iner.		
10) The drawing(s) filed on is/are: a) a		by the Examiner.	
Applicant may not request that any objection to t			
Replacement drawing sheet(s) including the corr	ection is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).	
11) The oath or declaration is objected to by the	Examiner. Note the attached	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreinga) All b) Some * c) None of:	gn priority under 35 U.S.C. {	§ 119(a)-(d) or (f).	
 Certified copies of the priority docume 			
2. Certified copies of the priority docume			
3. Copies of the certified copies of the p	•	received in this National Stage	
application from the International Bure	• • • • • • • • • • • • • • • • • • • •	rogoived	
* See the attached detailed Office action for a l	ist of the certified copies not	receiveu.	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) s)/Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/ Paper No(s)/Mail Date		nformal Patent Application (PTO-152)	
S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office	Action Summary	Part of Paper No./Mail Date 20050208	
OE-020 (1/69. 1-04) OMC	Action Summary	Fait of Faper No./Ividii Date 20050208	٠

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DETAILED ACTION

Response to Amendment

1. Applicant's arguments, see with respect to the rejection(s) of claim(s) 22 and 23 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of 112 issues and new claim 25.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 8 recites the limitation "the partner" in line 4. There is insufficient antecedent basis for this limitation in the claim.

Claim 9 recites the limitation "the partner" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim 20 recites the limitation "cryptographic communication center apparatus" in line 3. There is insufficient antecedent basis for this limitation in the claim.

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Claims 10, 11, 12, and 21 are rejected as being dependent on the above rejected claims

Claim 25 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In particular the last paragraph, if the examiner is interpreting it correctly, does not match the instant specification and is hard to follow in general. The last paragraph seems to indicate (line 1) encrypting "the cryptographic algorithm" using (line 3) "the cryptographic algorithm" In essence the "encryption/decryption" section uses an algorithm to encrypt itself.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over US 5,199,069, Barrett et al. in view of US 2000/0046564, Masuda et al. and in further view of US 6,249,866 Brundrett et al. and in further view of US 6,694,025, Epstein et al.

Regarding claim 25, Barrett shows a cryptographic communication terminal comprising:

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A cryptographic algorithm storage section for storing not less than one type of cryptographic algorithm used for cryptographic communication (Barrett, col. 3,line 58-60), outputting a designated cryptographic algorithm, said cryptographic algorithm storage section storing an encrypted cryptographic algorithm (synchronization, Barrett, col. 4, line 14-16, 29-31); control means for designating, with respect to said cryptographic algorithm storage section and said key information storage section, which cryptographic algorithm and key are to be used in the cryptographic communication (Barrett, col. 2, line 15-17; col. 3, line 54-56); and encryption/decryption means for decrypting received encryption information by using the cryptographic algorithm designated with respect to said cryptographic algorithm storage section and the key designated with respect to said key information storage section, and encrypting information to be transmitted (Banrrett col. 4, line 60-624 col. 5, line 2 1-23) but fail to show:

- (a) a cryptographic algorithm decryption means of decrypting the encrypted cryptographic algorithm;
- (b) key information decryption means for decrypting an encrypted key from said key information storage section;
- a key information storage section for storing a key used for cryptographic communication corresponding to the cryptographic algorithm, and outputting a designated key, said key information storage section storing a key for an encrypted algorithm used to decrypt an encrypted cryptographic algorithm
- (c) as well as the key for cryptographic communication;

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however,

a) Masuda shows a system where a medium for storing (algorithm storage section) an algorithm encrypted together with the data. A loader in the device driver 22 loads the encrypted algorithm 34 into the PC (terminal) 11, transmits it to the server 33 (decrypting means), and requested the server 33 to decrypt the algorithm 34. Then the loader 31 receives the algorithm decrypted by the server 33 and transmits it to the decrypting unit 23. The decrypting unit 23 decrypts the data according to transmitted algorithm (Masuda, fig. 6, pp. 2, para. 0046).

b) Brundrett teaches an encryption key that is a random number encrypted by the public key of at least one user and at least one recovery agent. These keys are stored with the files (key information storage section), whereby the file can always be decrypted by the private key of either a user or a recovery agent

(Brundrett, col. 2, line 41-44, col. 10, line 13-15).

c) Epstein teaches network system where the server contains a list of public/private key pairs, wherein the private key is stored in an encrypted form (Epstein, col. 3, line 63-65). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Barrett as per teaching of Masuda and Brundrett and Epstein to include encrypted decryption algorithm such that Barrett gains the advantage of further improving the security for the data stored on the storage medium (Masuda, pp. 1, para. 0017) and provide a strong cryptographic solution that addresses encryption data recovery (Brundrett, col. 2, line 21-22) and to provide a method for securely storing private keys in a networked environment (Epstein, col. 2, line 53-55).

Allowable Subject Matter

4. Claims 22, 23 and their dependant claims would be considered allowable if the previous 112 rejections in this action were overcome.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher J Brown whose telephone number is (571)272-3833. The examiner can normally be reached on 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Morse can be reached on (571)272-3838. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher J. Brown

02/17/05

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